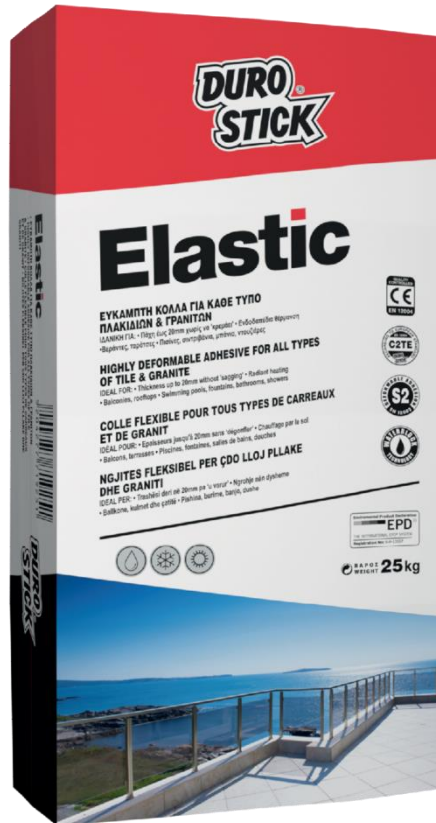


# ELASTIC



Highly deformable adhesive for all types of tile & granite



## ■ PROPERTIES

One component and exceptionally flexible white cementitious adhesive, reinforced with acrylic resins and low-water-absorption selected aggregates.

Presents very high bonding strength, zero vertical slip and extended open time. Thixotropic, allows for coatings of up to 20mm, without sagging. Its use ensures all installations against detachments caused by light earthquakes or severe expansions and contractions.

Classified C2TE S2 per EN 12004 and EN 12002.

The product has received an Environmental Product Declaration (EPD) following an assessment of the environmental impact of its life cycle.

Registration number: S-P-13557,  
The International EPD® System.

## ■ ADVANTAGES

ELASTIC does not require any kind of improving additive, due to its flexibility and exceptional properties.

- Distinguished for its strong grip and its durability against moisture and frost.
- Unaffected by permanent moisture.
- It is an ideal adhesive for the installation of large format tiles {(1.60x3.20m, 1.20 x 2.40m, 1.20x1.20m, 0.60x1.20m)}.

## ■ APPLICATIONS

ELASTIC is suitable for interior and exterior installations over sound substrates, such as:

- Waterproofed surfaces with either brushable cementitious or elastomeric waterproofers. ensures

The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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- Concrete, plaster or prefabricated concrete wall surfaces.
- Floors with radiant heating system.
- Balconies, patios, terraces.
- Spaces with permanent moisture, such as fountains, bathrooms, showers etc.
- Mosaics or tile restorations in athletic and swimming pools, heavy traffic areas etc.

ELASTIC ensures the installation of all types of tiles and stones with minimal absorption, such as:

- Ceramic tiles of all shapes and sizes.
- Glass mosaic, klinker, glazed gres.
- Cotto, honed marble, artificial stones.
- Any type of granite tiles, absorbent or else.
- Cork and expanded polystyrene boards.
- Every type of marble, even green marbe.

### ■ USE

#### 1. Surface preparation

The application surface has to be sound, clean, free of loose materials, dust, paint, grease and oils. The surface has to be soaked before the application. It is necessary to prime all absorbent substrates and aircrete, using either the ACRYLIC EMULSION or D-20 of DUROSTICK, at a mixing ratio of 1:1 with water. It is necessary to prime all cement boards using either the micromolar stabilizer AQUAFIX or SOLVENT BASED PRIMER of DUROSTICK. Lightweight or else, unsound cement screeds, must necessarily be primed with DUROSTICK ACRYLIC EMULSION or D-20 at a ratio of 1 part additive to 2 parts water or 1 part DUROMAX to 5 parts water. Follow all balcony and terrace, bathroom and shower, fountain and swimming pool applications by coating the substrate with HYDROSTOP FLOOR, D-1 or D-1 FLEX with 2-3 successive, crosswise coats to ensure the waterproofing of the substrate.

#### 2. Application

Empty 25kg of the adhesive into a clean container with 6.5-7.0lt of cool water (5kg adhesive to 1.3-1.4lt of water). Mix with a low rpm electric mixer until a lump free, homogeneous mass is created.

Allow the mixture to mature for 5-10 minutes.

During use mix periodically, without adding extra water. Apply the adhesive using a notched trowel and spread on the substrate evenly.

Coat as much surface as is required to work for the next 15-30 minutes (depending on weather conditions), thus avoiding skin formation. Finally, install the tiles in the selected position by tapping softly with a rubber mallet. When working with large format tiles, the installation is done by the method of double-coat application, on the substrate, but also on the tile (tile back buttering).

### ■ USEFUL TIP

Tile installations on high load and stress surfaces (balconies, roofs, athletic and swimming pools, garages), make it necessary to use high-quality bonding products because, besides the assurance they provide, their cost is very small when compared to the value of the tiles and the installation cost.

### ■ NOTE

On exterior surfaces, it is highly recommended to create expansion joints every 16-20m<sup>2</sup>. Prime the expansion joints with PRIMER-PU, to improve grip, fill them with the backer rod of DUROSTICK, DS-265, and seal them with the polyurethane sealant, DUROFLEX-PU. Similarly, seal all the joints (5-8mm) at the junction of the tiles and vertical surfaces throughout the perimeter. Alternatively, the application of DS POLYMER sealant, available in 32 colors (same ones with the grout colors of DUROSTICK), ensures sealing without cracking at the junction of the tiles with the skirting and above it as well. On floors with radiant heating systems, it is recommended to create expansion joints every 20m<sup>2</sup> and fill them with DS POLYMER sealant, available in 32 colors.

### ■ CLEANING

Clean all tools with water, immediately after use.

### ■ CONSUMPTION

3-5kg/m<sup>2</sup>, depending on the size of the notch of the trowel, the smoothness of the substrate and the dimensions of the tiles.

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### ■ STORAGE

- **25kg Paper bag with valve:** 12 months form production date.
  - **5kg Plastic bag:** 18 months form production date.
- Store in the factory sealed packages, in dry and shaded places.

### ■ SAFETY DIRECTIONS

The product contains Portland cement.  
Before use, refer to the cautions on the product's packaging or the Safety Data Sheet.

### ■ PACKAGING

Carton box with 4 pcs of 5kg each one on a 720kg pallet.  
Paper bag of 25kg on 1.050kg and 1.500kg pallet.

TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)	
■ Form - Color	Cementitious mortar - White
■ Bulk density of dry mortar	1.30±0.05kg/lt
■ Slip per EN 1308	<0.1mm
■ Water requirement	6.5lt water per 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -40°C to +90°C
■ Application thickness	Up to 20mm
■ Pot life	Approximately 10 hours*
■ Open time per EN 1346	Approximately 30 minutes*
■ Time for minor adjustments	45 minutes*
■ Grouting	After 4-8 hours on wall, after 24 hours on floor
■ Foot traffic	After 24 hours
■ Delivery to use	After 14 days

PRODUCT PERFORMANCES	
■ Adhesion strength, per EN 1348, after:	
■ 28 days	≥ 2.80 N/mm <sup>2</sup>
■ Thermal ageing at +70°C	≥ 2.50 N/mm <sup>2</sup>
■ Water immersion for 21 days	≥ 1.70 N/mm <sup>2</sup>
■ 25 freeze - thaw cycles	≥ 1.60 N/mm <sup>2</sup>
■ Deformability S per EN 12002	S ≥ 5mm

\* Depending on the weather conditions (temperature, humidity).

**NOTE: The product exceeds the statutory requirements for C2 adhesive.**

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